EDUCATION MATTERS

ABN 77 094 935 869

Please forward to the

Term 1, 2017

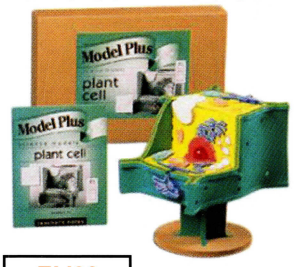
Senior Biology Teacher

NEW and Exciting Teaching Assets Education Matters for expert product support

4 D Foam Model Kits Build / Take apart

- The model is made of resilient, non-toxic EVA foam to withstand years of active investigation.
- Includes a thorough, detailed teacher's guide with reproducible worksheets & complete background information

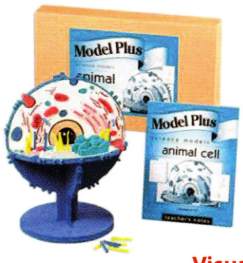
Plant Cell Model



EM99 **$69**

The Complete Kit

Animal Cell Model



EM88 **$69**

Visually Appealing Stunning Models

Handheld UV Light

- black
- needs 4*AA batteries
- LED flashlight

How Good is this? All in One

FTUV **$20**

Many Uses!

Dimensions

Depth..... 22.5 mm
Height..... 165 mm
Width ..... 55 mm
Product weight..... 90 g

Digital Uv Meter

- Detects both UV-A and UV-B
- Displays current atmospheric UV-Index
- Digital display of UV irradiance (mW/m2)

UV900 **$25**

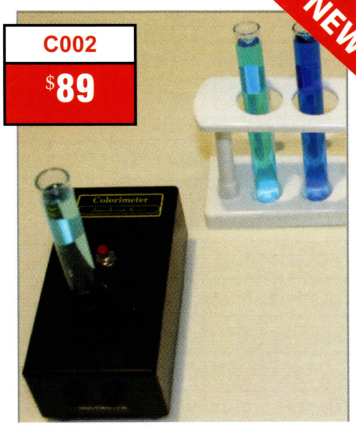
Colorimeter

NEW

- A student colorimeter that is easy to use and inexpensive enough for class sets.
- Determine the concentration of a solution by comparing the intensity of its colour with that of a solution of known concentration.
- Battery operated.

Plugs straight into your multimeter (not supplied).

C002 **$89**



Teachers Choice!

Pumping Heart Model

Easy-to-use, multi-sensory model uses a simple hand pump to demonstrate basic heart and pulmonary blood flow.

- Clearly labeled
- Stays mess-free, Liquid is sealed in.

LER3535 **$59**

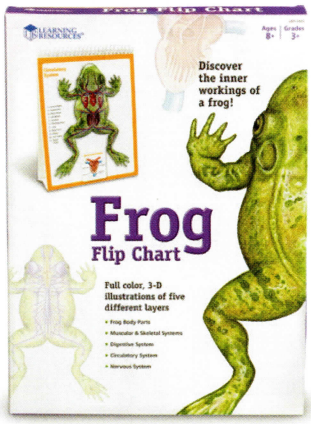
EM Best Seller

Frog Flip Chart Book

NEW

- **Great alternative to actual dissection!** Use this realistically detailed flip chart to study frog anatomy, inside and out.
- Supports the study of external frog anatomy as well as the muscular/ skeletal, circulatory, digestive and nervous systems
- Includes 5 pages of full–color 3–D images
- A page for each system
- Spiral–bound tabletop easel measures 30x40cm

LER5940 **$39**



Caffeine Beaker with Handle 400ml

NEW

- On one side of this clear beaker mug is a caffeine molecule, enameled in white and on the other side it has graduations up to 350 ml.
- When coffee or any other dark colored drink is added, the molecular structure becomes very visible.
- The attached handle stays cool when holding hot liquids. Made of heat-resistant borosilicate glass. Total volume of 400 ml.

5717-06C **$20**

Solar UV Beads, Pk/250

NEW

- These solar beads change from white to colorful when exposed to a UV light source;
- Learn about UV rays, where they come from, and what affects they have.
- Multicolored. Sold in boxes of 250pcs.
- Comes with a helpful Teacher's Guide and reproducible Student Handout.

ASB250 **$16**

Photochemical Change

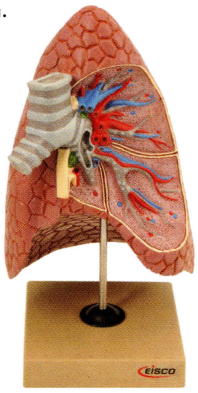
Prices do not include GST. Add 10%

EDUCATION MATTERS 1/31 Dalgety St, Oakleigh Vic. 3166 Ph: (03) 9568 6408 Fax: (03) 9568 1938
Email: sales@educationmatters.com.au www. educationmatters.com.au

Healthy Human Lung

EM Best Seller

- Life size, right side shows bronchus, arteries, veins, lymph nodes, bronchial passage and trachea bifurcation.
- Key cards



AM0067
$79

Kidney Model

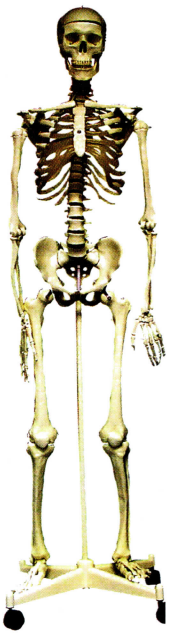
3X, Enlarged with adrenal glands PVC

EM Best Value

EM3012
$130

Full Size Skeleton On Stand

- Life size model
- Sturdy Plastic, durable parts
- Quality at an affordable price
- 160cm tall



SK160
$490

Human Brain - 8 parts

- Life size realistic model of brain seperated into 8 parts
- Shows the temporal and occipital lobes, brain stem, cerebellum and the basal artery.
- Blood vessels are depicted all over the brain

AM0021
$99

Anatomy and Organ Models

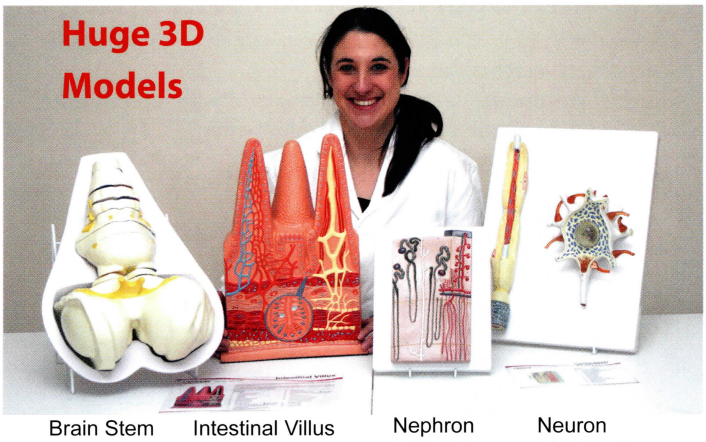
- **3D**
- **DISSECTIBLE**
- **DURABLE**

Ear	BI119001	$69.00
Eye	BI121001	$49.00
Brain	BI123801	$45.00
Lungs	BI127201	$89.00
Skin	BI129801	$100.00
Heart	BI125001	$80.00

More Anatomy & Physiology Models

Brain Stem - 3D, Human	X- Large	AM0103A	$79.00
Heart - 2 parts	Actual size	PD002	$35.00
Intestinal Villus, 3D Cross Section	43 cm	AM0098	$119.00
Nephron - 2D Relief	30 x 40 cm	AM0108	$49.00
Skeleton, Human, 160cm on stand	160 cm	SK160	$490.00
Skeleton, Human, Half Size on Stand	85 cm	S81	$120.00
Torso, Full Size, 11 parts	160 cm	BI1320	$340.00
Torso, Medium, 10 parts	50 cm	TOR-1	$150.00
Torso interchange sex organs, 18 parts, full size		BI1317	$350.00
Neuron		AM0101B	$65.00

Huge 3D Models



Brain Stem AM0103A | Intestinal Villus AM0098 | Nephron AM0108 | Neuron AM0101B

Even More Anatomy & Physiology Models

HUMAN BREAST (FEMALE) SET, 1 x HEALTHY 1 x ILL	BI1194-01	$ 105.00
HUMAN CIRCULATORY SYSTEM	BI1196-01	$ 167.00
HUMAN DIGESTIVE SYSTEM ON BOARD	BI1197-01	$ 167.00
HUMAN EAR,WITH STAND,6 PARTS,320x160x205mm (lxwxh)	BI1190-01	$ 69.00
HUMAN EAR,ECONOMY MODEL	BI1199-01	$ 43.00
HUMAN ELBOW JOINT MODEL	BI1191-01	$ 75.00
HUMAN EYE,IN ORBIT, 3X, PLASTIC	BI1214-01	$ 145.00
HUMAN FEMALE REPRODUCTIVE ORGANS ON STAND	BI1228-01	$ 167.00
HUMAN FOOT - NORMAL, LIFE SiZE, PLASTIC	BI1231-01	$ 90.00
HUMAN HIP, LEG AND JOINT MODEL with LIGAMENTS	BI1251-01	$ 85.00
HUMAN KIDNEY	BI1253-01	$ 80.00
HUMAN LARYNX,PLASTIC	BI1261-01	$ 53.00
HUMAN MALE REPRODUCTIVE ORGANS ON STAND	BI1279-01	$ 167.00
HUMAN NERVOUS SYSTEM ON BOARD	BI1360-01	$ 167.00
HUMAN PELVIS WITH BABY,ONE SIDED	BI1285-01	$ 280.00
HUMAN,PREGNANCY SERIES- 9 MODELS "PERIOD OF GESTATION"	BI1284-01	$ 750.00
HUMAN RESPIRATORY SYSTEM ON BOARD	BI1286-01	$ 167.00
HUMAN SHOULDER JOINT MODEL WITH LIGAMENTS	BI1287-01	$ 77.00
HUMAN SKULL,2 PARTS, PLASTIC	BI1297-01	$ 80.00
HUMAN STOMACH, 2 PARTS ON STAND	BI1302-01	$ 80.00
HUMAN TEETH WITH TONGUE & LARYNX	BI1303-01	$ 145.00
HUMAN TOOTH MODELS, SET/3 MODELS	BI1390-01	$ 99.00
HUMAN URINARY SYSTEM, ON BOARD (MALE)	BI1329-01	$ 167.00
HUMAN URINARY SYSTEM, ON BOARD (FEMALE)	BI1328-01	$ 167.00
HUMAN URINARY SYSTEM, ON BOARD (MALE & FEMALE)	BI1327-01	$ 167.00

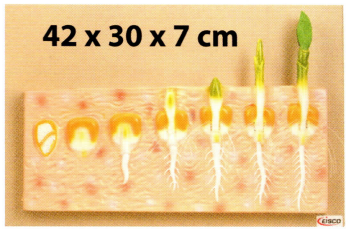
Plant Models

Flower	3D	Large	BM0001	$79.00
Flower	2D Raised Relief	37 cm	BM0004	$49.00
Leaf - 2D, Dicot,	Raised Relief	37 cm	BM0020	$49.00
Leaf - 2D, Monocot	Raised Relief	37 cm	BM0022	$49.00
Root, Dicot	Raised Relief	37 cm	BM0024	$49.00
Plant Cell	Raised Relief	37 cm	BM008A	$49.00
Stem, Dicot	Raised Relief	37 cm	BM0012	$49.00
Stem, Monocot	Raised Relief, 40x	37 cm	BM0016	$49.00
Dicot Seed Germination	Raised Relief		BM0006	$59.00

Monocot Seed Germination

BM0044
$49

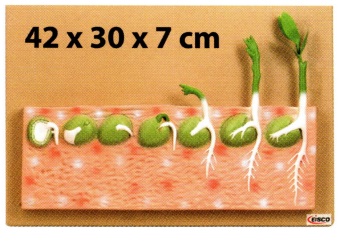
- Model shows germination of monocot, Maize plant.
- Stages in development numbered and Key cards

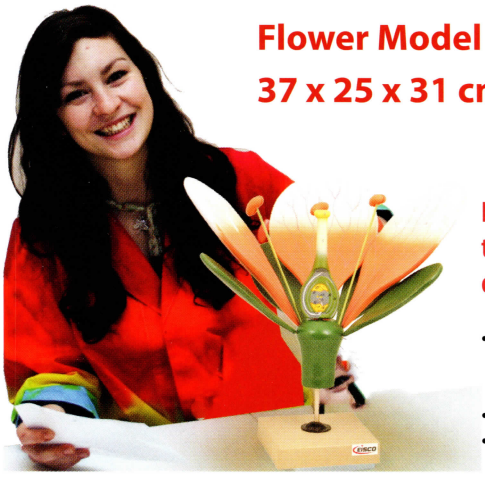


Dicot Seed Germination

BM0046
$49

- Model shows germination of dicot, Pea plant.
- Stages in development numbered and Key cards





Flower Model - 3D

37 x 25 x 31 cm

BM0001
$79

Excellent teachers demonstration Model

- Greatly enlarged, idealized complete flower
- Unbreakable plastic
- Teaches angiosperms, pollination and

Large Flower Press

MG2079
$25

Press and dry flowers on the go using this press, with strap

Small Flower Press

MG2078
$10

Press and dry flowers to preserve their colour, using this pocket size press

Raised Relief Models

Monocot Stem BM0016 | Dicot Root BM0024 | Flower BM0004 | Dicot Stem BM0012

Chloroplast

CHLOPST
$59

- The food factory of the plants!
- Photosynthesis explained graphically
- With key card

Euglena Model

ZM0036
$59

- Organism reveals characteristics of both plants and animals.
- Enlarged model showing all the internal details
- Key card

Monocot Stem

BM0013
$99

- Model shows tyhe various tissues and the scattered, closed and the collateral vascular bundles in transverse and longitudinal sections in maize.
- The large pitted vessels, spiral and annular rings shows the anatomy of monocot stem in detail.
- Key cards

HUGE 45x20x31 cms

Dicot Stem

BM0011
$99

- Model shows the transverse and longitudinal section of dicot stem
- In this model the cambium ring has formed but no secondary growth has yet taken place
- Useful model for study of epidermis, lentice, cork layer, cork cambium, cork parenchyma, starch sheath, medullary ray, phloem, sieve plate, and more.
- Key cards

Raised Relief & 3D Cell Related Models Educational Excellence

Colourful and tactile for superior learning

Giant Animal Cell - ZM0002
Plant Cell - BM0008A

Raised Relief

Plant And Animal Cell Comparison Set of 2

- Models of plant and animal cells enables teaching of their structures. Set of 2 contains 12 electron microscopic illustrations of different cell structures.
- Complete with key cards.

BM0050
$89

Excellent teaching aid for study of cell structure
STURDY COLOURFUL

CELL RELATED MODELS			
Animal Cell - Deluxe	46 cm	ZM0002	$136.00
Animal Cell - Standard	35 x 22 cm	ZM0004	$59.00
Animal Cell - Cross section, Foam	12.5cm	LER1900	$26.00
Amoeba - 3D	39 cm	ZM0014	$89.00
DNA - K'Nex, Replication and Transcription	50 cm	78780	$89.00
DNA Process - Raised relief	60 x 45 cm	ZM0054	$129.00
RNA Process - Raised Relief	60 x 45 cm	ZM0060	$129.00

CELL RELATED MODELS			
Meiosis - Animal, Raised Relief	35 x 55 cm	ZM0010	$79.00
Mitosis, Animal, Raised Relief	35 x 55	ZM0006	$79.00
Neuron, 3D	2500 x	AM010B	$65.00
Paramecium, 3D	39 cm	ZM0016	$139.00
Plant Cell, 3 D	40 x 30 cm	BM0008A	$59.00
Plant Cell - Cross Section	12.5 cm	LER1901	$29.00
AIDS Virus	18 cm	AM0105	$59.00

FINISHED IN NATURAL COLOURS **EXCELLENT TEACHING AIDS**

Raised Relief Models

RNA Process ZM0060 $129.00
DNA Process ZM0054 $129.00

Cross-Section Models. Hands On Soft Foam

● 12.5cm dia ● Fine Details
● Vivid Colour ● Activity Guide

Plant Cell Model

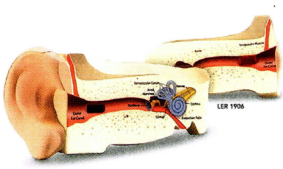
LER1901
$26

Animal Cell Model

LER1900
$26

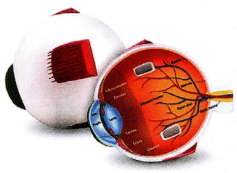
Ear Model

LER1906
$26



Eye Model

LER1907
$26



Human Brain Model

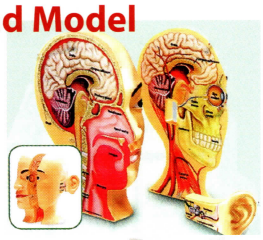
LER1903
$26

Human Heart Model

LER1902
$26

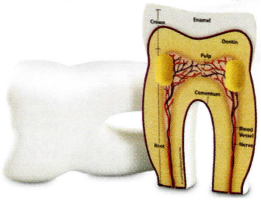
Human Head Model

LER1909
$26



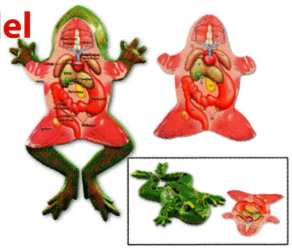
Tooth Model

LER11904
$26



Frog Model

LER1921
$21



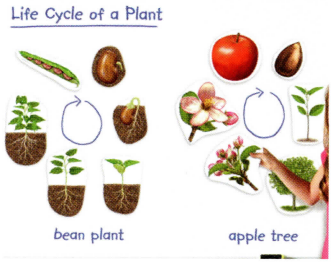
Giant Magnetic Life Cycles

Enlarged For Demonstration

Giant Magnetic Plant Life Cycles

- Features realistic illustrations to model up to 6 stages in the life cycles of a bean and apple
- Two life cycles in one!
- Label-free for versatility

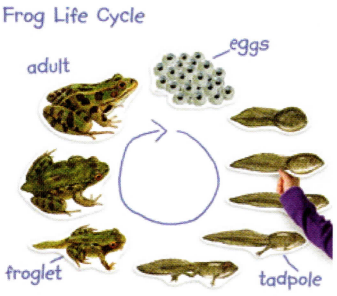
LER6042
$39



Giant Magnetic Frog Life Cycle

- Models the life cycle of a frog (from egg to tadpole to adult frog) on your whiteboard
- Includes 9 write & wipe pieces and Activity Guide

LER2041
$39

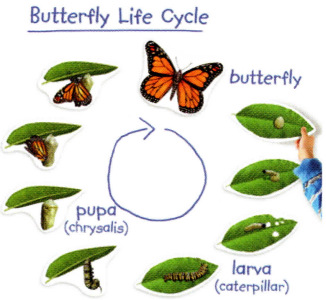


Write And Wipe

Giant Magnetic Butterfly Life Cycle

- Magnets featuring realistic illustrations model up to 9 stages in the butterfly life cycle
- Label-free for versatility

LER6043
$39



Chick Life Cycle Exploration Set

- Crack open this set of 21 eggs and see the day-by-day development of a chick.
- No incubator required!
- Features **realistic illustrations**, plastic 3-D chick inside the final egg
- Easy organization with numbered label on each egg and numbered
- places in storage tray

Set contains no living components

LER2733
$89

Frog Dissection on Board

NEW

TCM0390-01
$90

FISH DISSECTION ON STAND WITH LEGEND	CM0389-01	$ 120.00
FROG DISSECTION ON BOARD WITH LEGEND	CM0390-01	$ 90.00
EARTHWORM DISSECTION ON BOARD	CM0391-01	$ 90.00

Giant Sunflower

NEW

Everything you need to grow a giant sunflower in your own backyard. Can reach 3 metres or more!

MG5000
$12

Venus Flytrap

NEW

Everything you need to grow a pot of venus fly traps.

MG8001
$12

Insects Beware!

Mini Water Garden

NEW

Grow your own miniature Water Garden with this kit that uses only foam and water to grow clovers.

Per Packet (1)

MG-2060
$12

Pot Head

NEW

Grow a living head-of-hair with this fun potted head. Just add water and you can have months of cutting crazy green hairstyle

MG-2222
$12

Terra Sphere

NEW

Mixing carnivorous plants with a prehistoric scene makes for a thrilling learning adventure! The simple dome provides a greenhouse environment for your garden helping to maintain the humidity levels for optimum growing conditions.

MG-0106
$45

With contents!

Scary!

Education Matters for expert product support

Water Test Kits

(Hanna Instruments)

HI 3814 test kit includes all of the necessary reagents and accessories to perform over 100 tests for every parameter, electronic pH tester, hard carrying case and instructions.

Acidity 100 tests	HI 3820	$72.75
Acidity and Alkanlinity 110 tests	HI 3813	$136.50
Alkalinity 110 tests	HI 3811	$73.25
Ammonia 110 tests	HI 3824	$61.00
Aquarium 50 tests	HI 3893	$124.25
Carbon dioxide 110 tests	HI 3818	$41.00
Chloride 110 tests	HI 3815	$69.00
Chlorine-free 50 tests	HI 3831F	$34.25
Chlorine-total 50 tests	HI 3831T	$34.25
Dissolved Oxygen,110 tests	HI 3810	$122.25
Environmental, 550 tests	HI 3814	$358.25
General Water 550 tests	HI 3817	$437.25
Hardness, 110 tests	HI 3812	$45.75
Iron,200 tests	HI 3834	$34.25
Phosphate 110 tests	HI 3833	$34.25
Salinity 110 tests	HI 3835	$106.25
Sulphite 110 tests	HI 3822	$133.25

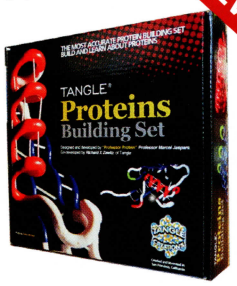
Tangle Proteins Building Set

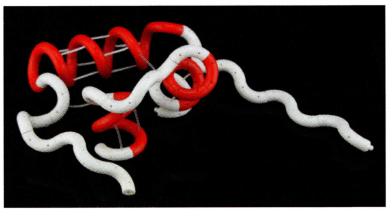
NEW

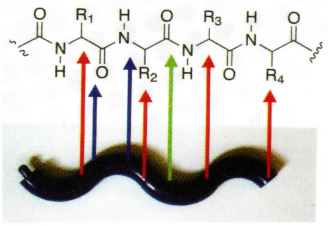
- Construct 3 dimensional protein models to better understand the making of amino acids & DNA in a polypeptide chain.
- Build 3 main proteins

1. Streptococal, 2. Ubiquitin protein
3. W-conotoxin MVIIA and more

EM100
$89







600 Pieces! World's most accurate protein kit!

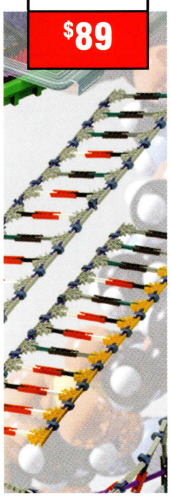
Knex DNA Replication & Transcription Activity Model Set

K'Nex

EM Best Seller

78780
$89

- Wonderfully flexible set allows students to build and learn using models that demonstrate phosphate groups, deoxyribose/ ribose sugars, colour-coded hydrogen bonds,four colours and colour-coded nucleotides.
- Kit includes 521 pieces and a 24 page instruction booklet
- Builds 7 different DNA and mRNA molecules.
- Build any one from 19 combinations at once.



Dna Teacher's Guide

FREE on CD Rom.

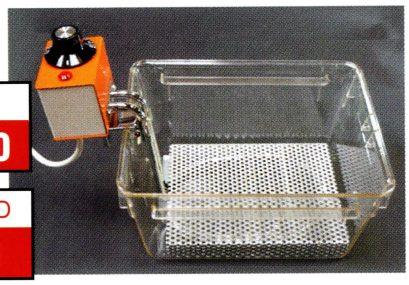
Polycarbonate Water Bath

With fast acting thermostat

- Inexpensive, safe and authentic design
- Popular educational model

WB14
$1090

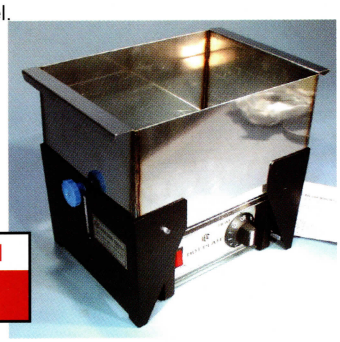
WB14LID
$100



Water Bath **For use with IEC Hot Plate**

- This general purpose stainless steel water bath is designed to rest on and be heated by an IEC Hotplate.
- We recommend the 2009-001 model.
- IEC Test Tube racks 3989-401 or 601 fit snugly inside.

424001 .....Bath only $173
4240101.....Temp controller.....$160



Budget Price Exceptional Quality

IEC HOTPLATE

Simmerstat Control

- See illustration under Waterbath Image

1920001
$225

Spectrophotometer

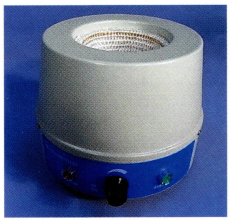
S23A
$1390

- The instrument has variable wavelength and two scales: transmittance and absorbency.
- The 12nm spectral slit width provides the sensitivity required for almost any application.
- One solidstate silicon detector covers entire wavelength range, eliminating the need to change

Heating Mantles

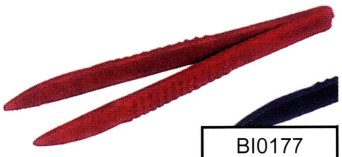
250ml	GE3278-01	$232.00
500ml	GE3279-01	$240.00
1,000ml	GE3280-01	$260.00

Wired & C Tick tested in Australia



Forceps

Pkt of 12, Disposable/ extra long



BI0177
$4

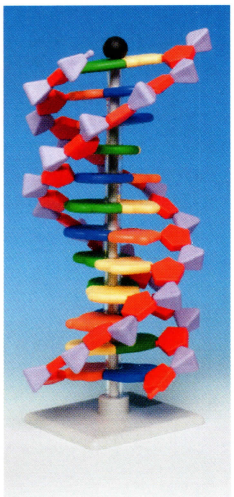
Molymod DNA Model Kit

DNA060-12
$67

- 12 layers, advanced
- 24 cms high
- Superior quality, dual scale system
- Self assembly kit
- Includes
- 6 x bases each
- 24 x deoxyribose
- 24 x phosphates
- 1 x display stand

Can be assembled on stand or flat

Fundamental



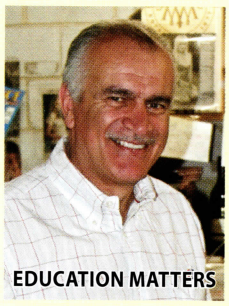
Also available!

DNA Model Kit

- 22 layers, advanced

DNA060-22
$114

Adrian's Smartphone Friends



Environmental Datalogging for some schools is too expensive or esoteric. Not now. In fact when using these peripherals your students may not even know they're datalogging! That's how natural it will be for them. And furthermore these add-ons **can be taken anywhere** because they are designed to be used with a mobile phone or Tablet. How good is that?

Adrian

Plug-in Sensors for Smartphones with APP

Turn your Smartphone into a pocket environment meter. Choose between four plug-in sensors that plug into the Smartphone's earphone socket to measure radiation, UV index, electromagnetic fields or temperature & humidity. By using a free downloadable APP for your iOS® and Android® device, you can see real time measurements or trigger an alarm when a predetermined measurement is reached

Easy Data Collecting and Logging

Geiger Module QM1676	UV Module QM-1677	Electromagnetic Sensor QM-1678	Temperature And Humidity QM-1679
Measures radiation in dose-rate figure (uSv/h) and sound an alarm at a preset level. **$35**	Returns the UV index and power. Set the UV Index alarm to remind you to put on some sun block. **$35**	Measures the electromagnetic waves around in V/m (Volt/ Metre) in real time. **$35**	Take temperature and humidity readings inside or out. **$35**
Measurements: Gamma, X-ray **Measuring range:** 0.1-200μSv/h **Measurement error**: < ±15% **Dimensions**: 47(L) x 10(dia.)mm, 6g	**Measurements**: UV (Ultraviolet) **Range**: 240 - 380nm Detects: UVA, UVB **UVI** (UV Index) **range**: 0 - 12 **UV Power**: 0 - 6mW/cm2 **Measurement error:** ± 10% **Dimensions**: 30(L) x 10(Dia.)mm, 6g	**Measurements**: Electromagnetic field (EMF) **Min. response**: 1V/m **Range**: 1 - 2,000V/m **Frequency:** 16Hz - 100kHz **Dimensions**: 30(L) x 10(Dia.)mm, 6g	**Temperature range**: -40°Cto120°C **Temp. step**: 0.1°C **Temp. error**: ±0.5 C **Humidity range:** 0-100% **Humidity step**: 1% **Humidity error**: ±2.5% **Dimensions** 30(L) x 20(Dia.)mm, 10g

Smartphone interface (adjustable)

NEW

3810500 **$29**

- Attach your smartphone easily to your own Compound /Stereo Microscope or Telescope.
- Get instant still or video images
- Save, print, share or download to a computer

EVERY STUDENT CAN NOW HAVE ONE FOR THEIR OWN PHONE!

Digital Microscope for iPhone® 4/5/6

QC3195 **$29**

- Observe specimens with a significant level of magnification via your iPhone®. It is very easy-to-use and lightweight enough to carry around on your explorations.
- Simply place your specimen in the holder or directly under the base of the microscope, then place your iPhone® on the non-slip base to observe the specimen onscreen using your iPhone® camera app.
- The built-in light illuminates the specimen and the dial on the side allows you to adjust focus. Zoom in on the specimen using your iPhone® camera app's zoom function.
- Capture your findings as photos and videos and share them.
- Great for checking out small insects, flowers, or whatever excites your scientific mind!

ZOOM!

Very useful and convenient! **Take Anywhere!**

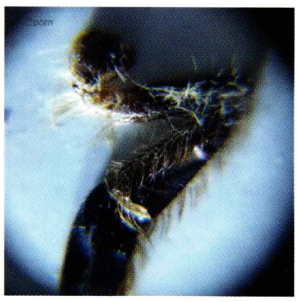
Stable Horizontal Version

LED Microscope with Smartphone attachment

FT2282605 **$29**

Take Anywhere!

- This compact Instrument magnifies items approximately **60 times** for close-up examination.
- Built-in LED lamp illuminates for clear view and **UV (black light)** provides added versatility.
- Includes leatherette storage case.
- Powered by 3 LRU 30 button cell batteries (included). Unlimited uses include entomology, plant specimens, coin collections, and stamp collections. Use UV light to reveal forensic specimen.
- Use the special attachment to fit the Mini Inspector to a smartphone so your samples can be viewed and photographed with the phone's camera! **Brilliant!**



Heaps of applications

Mini 720p Wifi Endoscope (8mm*5m)

Check out the inner workings of machines, flowers, explore burrows and difficult to access places

w/ 2MP camera / 6*LED lights / IP67 waterproof / 70 degree viewing angle / compatible with Android / iOS

5927203 **$99**

Creative Explorer

8X Clip-on Mobile Phone Zooming Telescope

Get closer for more details and record!
Compact, light weight and portable, convenient to carry and use
Minimum focus distance: 3m
Magnification: 8X
Field of view: 246m
Compatible with iPhone and more mobile phones, & tablets

3330200 **$29**

Universal Clip-On 0.4X Super Wide Angle Lens

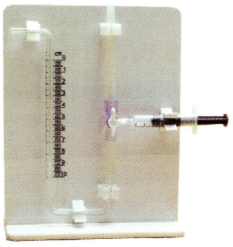
2341801 **$29**

Expanded panoramic views!
Clip maximum opening: 23cm
Universal clip lens can apply to iPhone, Samsung, HTC, smart phones, iPad, tablet PC etc

Potometer

BI192
$54

This apparatus allows the student to measure transpiration. It consists of a capillary tube with millimeter scale connected via a 3 -way tap to a syringe. The cut shoot is connected to the third outlet. The apparatus can also be used to measure humidity by connecting a porous pot to the third outlet. Dimension overall 15 x 16.5 x 8 cms. Capillary tube 120x1 mm.

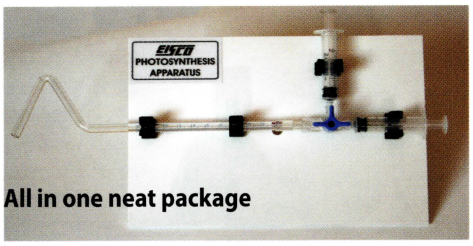


ACCURATE, CONVENIENT, RELIABLE

Photosynthesis Apparatus

BI0228
$35

For the measurement and collection of gas evolved by aquatic plants during photosynthesis. The gas evolved can be measured by the calibrated capillary tube and drawn off for analysis by the plastic syringes. Mounted on a plastic panel 190x150 mm.



All in one neat package

Plankton Net Kit

Includes Plankton Identification Card.

EM5262
$42

Millions of Plankton live in ponds, lakes and pools. Take a closer look with the Plankton Net. Toss it into the water and sweep back and forth to collect Plankton. Lift the net to examine in transport bottle underneath.

EM Best Seller

Automatic Wrist Blood Pressure Monitor

- Monitor your blood pressure and heart rate from wrist
- Uses the oscillometric method
- Jumbo LCD
- Arrhythmia detection function (IHB)

QM7254
$49

Hand Held pH Meter

A simple and accurate device
Features:

- 1 - 14 pH range / 0.1 pH resolution
- 0° - 50°C operating temperature
- Replacement pH solution
- Calibration tool
- Storage case

QM1670
$72

EM Most Reliable

Sieves (Set of 8)

- 6 sieves +lid+base container
- Stainless mesh
- Ideal for seperating a range of particles from fine sand, silt to coarse sand in the study composition of soil

B1089
$99

Bug Hunter

The simplest way to gather small insects. No harm to insect or student!. Sucking tube has safe filter and is colour coded for easy identification

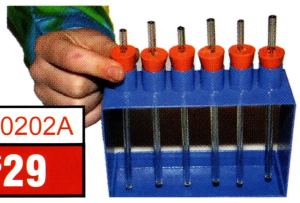
E 08551
$59

Easy way to collect live specimens SET OF 5

Capillary Tube Apparatus

- Six glass tubes of different bore but same length presented in open style stand for easy measurement.
- Relates bore diameter to height.
- Clearly demonstrates the principal of liquid pressure in plants

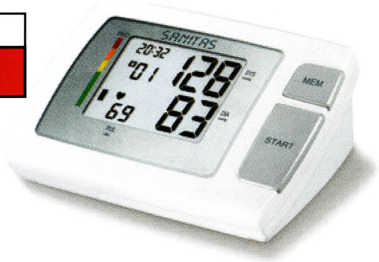
PH0202A
$29



Automatic Digital Blood Pressure Monitor

- Ideal for accurate blood pressure monitoring and pulse measurements.
- Warns of cardiac arrythmia
- Accurate and fully automatic

SBM29
$89



Babinski Reflex Hammer

- Reflex hammer to test deep tendon reflexes in order to detect abnormalities in central or peripheral nervous system

NV0957
$29

Ear Thermometer

- Accurate safe and non-invasive technique.
- Range: 32.0°C to 42.9°C

QM7272
$32

Practical & Reliable

Insect Collecting Net with Aluminium Handle

BI0140A
$29

Ring made of iron wire supported on anodized aluminum pipe handle with fine rubber grip at end. Length of handle 75 cm

A must for collecting live specimens!

Magnifying Glass

Bifocal 2x & 4x
Acrylic lens
75mm dia

PA558
$6

Scalpel Blade Remover

BLRM
$13

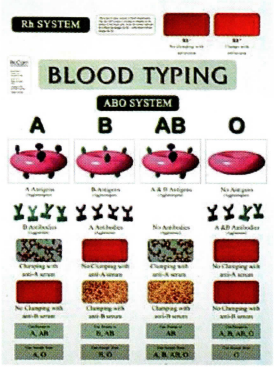
Remove & dispose of blades the safe & easy way!

EDUCATION MATTERS
for expert product support

Blood Typing Chart

- Laminated 61x45cm
- Excellent aid in the visualization of blood typing and determining blood group

EM068
$38



Simulated Blood Typing Kit

EMKI-SC
$99

- Includes 3 synthetic antisera and 4 synthetic blood samples
- Extremely useful way to demonstrate blood typing without exposure to actual blood!
- The reagents in the kit act in the same way as genuine antiserum does on real blood.

Refill

EMI-SCRF
$54

Synthetic Blood, Genetics Kit

EM1-20
$89

- Students act as blood geneticists and master basic genetic concepts
- Class of up to 30 students
- All blood synthetic and safe for use

Refill

EM1-21RF
$45

Human Body Playing Cards

B401
$16

- Beautifully illustrated
- Excellent learning tool
- Set of 52 cards

EVERY BONE ILLUSTRATED!

Chromosome Simulation Kit - 1 Station

EM2-20
$155

NEW

- Help students to understand mitosis and meiosis as they build their own chromosomes using poppit beads and magnetic centromere connectors.
- Students can manipulate chromosomes through various stages of cellular division.
- Add a layer of complexity by including events such as crossing over and chromosome aberrations.
- Kit includes teachers manual and reproducible student guide

Chromosome Simulation Kit - 10 Station

EM2-21
$490

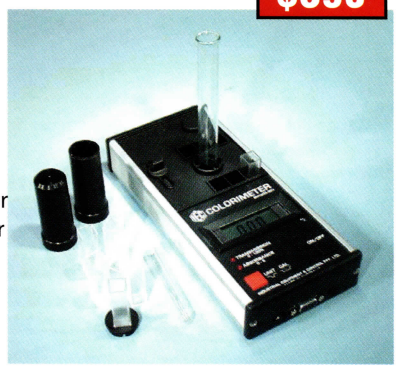
DIGITAL COLORIMETER

CH1003
$390

Colorimeter for the measuring of concentrations of chemical solutions. The LCD display can provide either 'Transmission' or 'Absorption' measurements.

Supplied complete with 6x cuvettes and 4x test tubes for samples, with selectable 0-4V or 0-5V analogue output signal for logging software.

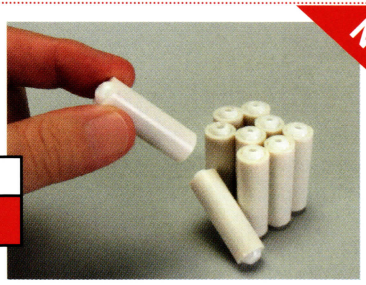
EM Best Value



Magnetic Centromere Pack of 10

- For use in the construction of chromosome models

EM2-22
$94



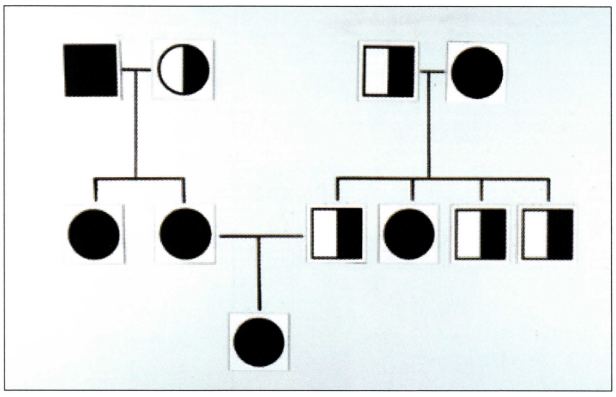
NEW

Stick to Science "magnetic" Genetic cards

50190
$35

EM Best Seller

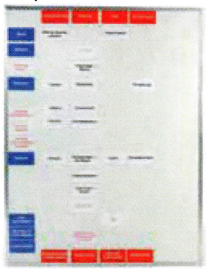
Solve the puzzle of how genes are inherited and sometimes appear or disappear in families. Using these **36 magnetic shapes** representing males and females with the three possible genetic combinations all types of inheritance can be investigated.

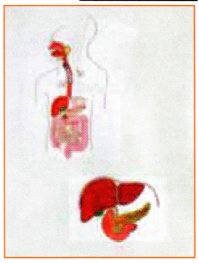


Magnetic Digestion Cards Kit

EM0205
$89

- Illustrates the sequential chemical & biochemical breakdown of the major components of food in the human digestive track.
- Kit consists of two
- large digrams & 39 magnetic colour coded cards, teachers guide & reproducible student work sheet.





Glo Germ Classroom Kit

Glo Germ consists of a lotion and powder which glows brightly when exposed to ultraviolet light. The Kit contains a battery operated ultraviolet light and instruction manual.

GLO210
$129

Clearly demonstrates the importance of hands washing with simulated germs.

Giant Human Heart Model

- 3 times life size, 28x23x33mm
- 4 parts, weighs 2.6kg
- Includes a Key card calling out 23 structures
- Dissectible into 7 parts, it shows excellent detail of both internal and external structures.

AM0072
$230

Clearview Organiser Boxes (COB)

NEW

Clear perspex top, a multitude of uses in the prep or classroom

- Quickly monitor and replenish materials
- Easy and orderly distribution and reclamation of materialUse for student groups(one insert or box per group)
- Use for anything you like e.g magnets, indicator paper, rocks, specimens, carbon discs, batteries, lenses, molecular balls and links, small lab tools etc, **For all your Knick Knacks**

COB - Large

56 storage compartments in two layers

COB001 **$38**

COB - Medium

12 compartments in one layer

COB002 **$22**

Compartments of various sizes

Please see the photo for a snapshot of familiar materials that can be stored, displayed or distributed and hopefully reclaimed. **(the clear perspex top will help with this).**

Monitor Replenish Control !

Best Selling Pocket Scales

100g Pocket Scale

Compact design, ideal for laboratory. Measures up to 100 grams with excellent resolution.

- Tare function
- 0.01g resolution
- Storage bag included

QM7258 **$59**

EM Best Seller

200g Pocket Scale

- 0.01g resolution
- with Back light

QM7259 **$79**

Electronic Balance 1000 x 0.01g !

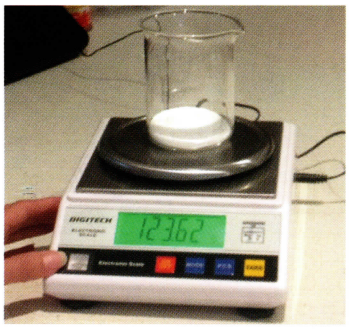
The complete multipurpose balance

Great capacity! Great resolution!

Great price

- Full size
- Breeze break
- Tare Function
- Mains and Battery
- Build in bubble level to provide maximum accuracy.

EM7264 $145



No longer will you have to worry by loss of capacity using the tare function!

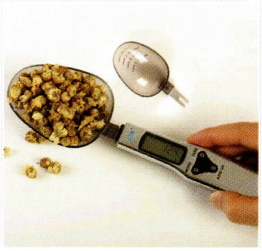
HOW GOOD IS THIS?

Digital Spoon Scale

- Accumulative features to weigh instantly up to 300g x 0.1g
- Tare and hold features
- Detatchable scoop

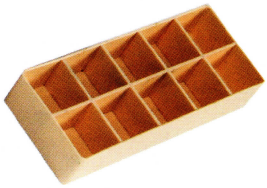
NW400 **$29**

PERFECT FOR THE LAB



Dabco - Unitray

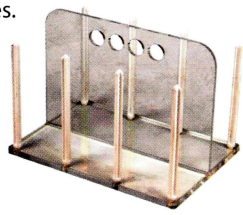
Unitray with Insert	1034001	**$4.95**
Unitray w/o Insert	1034002	**$4.50**



Petri Dish Rack

Clear AcrylicCapacity to hold 90 mm sizes petri dishes.

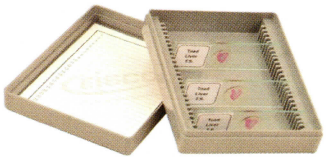
CH0376A **$69**



Microscope Slide Boxes

Polystyrene

25 Slides	PA109201	$4.00
50 Slides	PA109301	$7.00
100 Slides	PA109501	$10.00



Microscope Slide Boxes

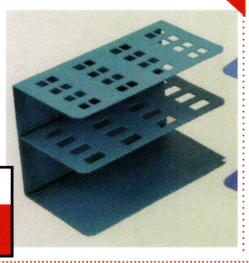
Wooden

25 Slides	PA110901	$15.00
50 Slides	PA111901	$17.00
100 Slides	PA109901	$21.00

Forceps Stand

NEW

Holds 16 foreceps up to 15cms, Powder coated metal

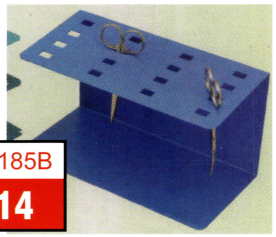


BIO185A **$14**

Scissor Stand

NEW

- Holds 16 up to 15cms
- Powder coated metal



BIO185B **$14**

Test tube rack "combi"

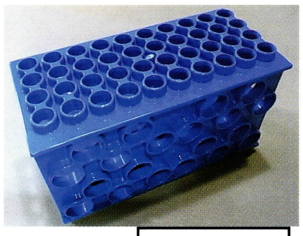
The Universal Combi Rack is designed to hold a variety of tube sizes.

The rack may be rotated to any of the four positions. **ROTATABLE**

Combinations:

- 40 place /12mm tubes
- 8 place/30mm d tubes (50ml capacity tubes)
- 24 place/17mm d tubes (15ml capacity tubes)
- 20 place/20mm tubes

Very sturdy and versatile!



LW440801 **$13**

Fluoro Stylus Gaffer Tape

- High visibility matte finish
- Waterproof
- 24mm wide x 10m
- Made in the USA

NM2813	Green Fluoro	$15.00
NM2815	Pink Fluoro	$15.00

High Visibility Avoid Hazards!

Digital Stem Thermometer

Fast response, min/max memory and data hold. The probe is stainless steel, the body is splashproof and it will **never need calibration.**

- Measurement range: -50 to 200°C
- Display resolution: 0.1°, • 205mm long

QM7216 **$26**

WITH DATA HOLD FUNCTION

Motivational Products

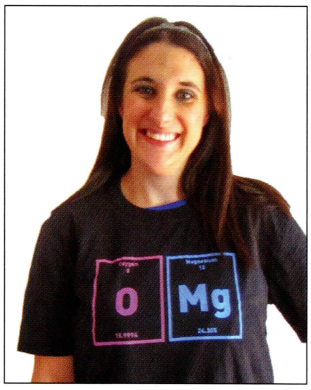
Buy my T-Shirt!

Well not my very own thrice washed super cool one I'm wearing but we can offer plenty of others featuring some pretty nifty themes.

Meet my gorgeous sister Melanie. You may have seen her before and she is enjoying a cuppa out of a really "**Sciency**" mug.

Is that a real word?

She says drinks taste better when the mug has meaning. Yeah right Melanie!



Buy my T-Shirt Themes

SIZES S/M/L/XL (Please Specify)

Caffeine	HJ2034	$25.00
DNA	HJ2274	$25.00
Nerdy	HJ2294	$25.00
OMG	HJ2284	$25.00
Periodic Table	HJ2024	$25.00
Pi	HJ2014	$25.00
Prolemaic Astro	HJ2264	$25.00
Glow Space	HJ2324	$25.00

Buy Melanie's Mugs

Caffeine	HJ2001	$14.00
Nerdy	HJ1996	$14.00
OMG	HJ1995	$14.00
Periodic Table	HJ2004	$14.00
Pi	HJ2002	$14.00
Uranium	HJ1997	$14.00
X-Ray Skeleton	HJ1999	$14.00

Colour changing mugs

Entomology	CH3062	$14.00
Butterfly	CH3060	$14.00
Living to extinct	HJ2005	$14.00
Night to Daylight	HJ2007	$14.00
Star Gazing	HJ2008	$14.00

Looking good at school with my Sciency T-Shirt and Mug!

Looking good with my bug mug!

Colour Change Entomology Mug

Love your creepy - crawlies? Then you'll need this mug that changes and brings these bugs to life when full of hot liquid.

CH3062 **$14**

Also Available

Butterfly Lepidoptera Mug

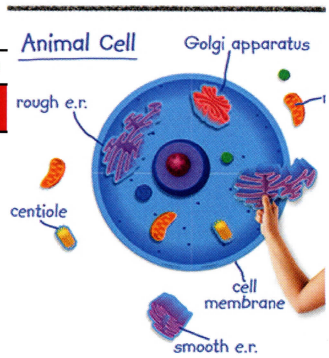
CH3060 **$14**

Adrian says:
One of my favourites. Whether it is Science or Biology, students will just love these vivid motivational manipulatives.

Giant Magnetic Animal Cell

- Giant cell structures printed on raised foam magnets to appear 3-D!
- For demonstration or student manipulation
- Includes 4-piece animal cell, 14 dimensional organelles and Activity Guide.

LER6039 **$39**



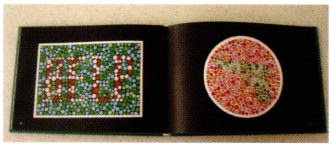
Move, Feel and Learn!

Digital Lightmeter

- A handy digital lightmeter
- Measure incident light in 4 ranges: 0.01 to 20,000 lux.
- Battery and case
- Cover included.

QM1587 **$59.95**

Colour Deficiency Testing Book



CM0299-001 **$37.50**

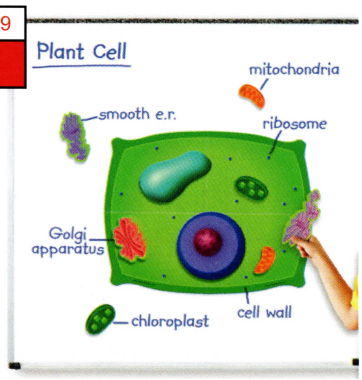
100 images

Giant Magnetic Plant Cell

EM Best Seller

- Printed on raised foam magnets, giant cell structures actively engage students.
- Includes 4-piece plant cell, nine dimensional organelles and Activity Guide with background information about each organelle

LER6039 **$39**



Ideal For Use With Soft Foam Plant And Animal Cell Cross-Sections

Field / Loup Magnifier

- 10x maganification
- Stainless Steel
- Includes carry box
- Glass lens

HJ 2188 **$9**

Premium Microscopes - Approved Electricals

EM Senior IL

- Iris Diaphragm & Built inCondenser & Incandescent Light
- Eyepeice with pointer: WF.10x
- Objectives 4,10,40x total Magnification 400X.

EM SENIOR IL
$325

EM Senior Plus ILM

- Iris Diaphram & Condenser
- Mechanical Stage
- Buit in light
- 10x W/field eypiece w/Pointer.
- Objectives 4,10,40&100x= 1000x

EM SENIOR PLUS ILM
$420

EM College B

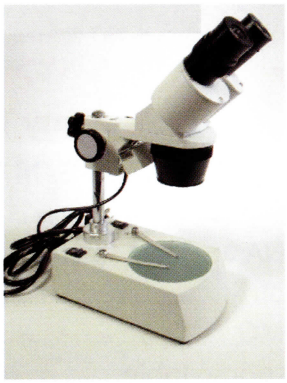
- Halogen (cool) lamp,
- Abbe Condenser,
- Iris Diaphragm,
- Mechanical Stage.
- Wide field 10x Eyepieces.
- Objectives 4,10,40,100x,1000 x

EM COLLEGE B
$630

EM Stereo Premium

- 20x & 40x Dual Magnification & light Sources
- Inclined body & Light (upper & lower)
- 10x Eyepeice W/field.
- Objectives Rotate

EM STEREO PREMIUM
$350



5MP USB 2.0 Digital Microscope with Professional Stand

NEW

QC3199
$149

- A USB microscope with a simple but incredibly useful stand that allows you to make fine adjustments to the vertical height of the microscope.
- Greater level of viewing accuracy and stability.
- Can be removed for the stand
- Excellent optics
- 5MP resolution
- It comes with a great piece of software for capturing 5MP (2592x1944) images.

Microscope Slides Prepared

SLIDES IN CASE

SUPERIOR QUALITY

Biology	Set of 25	PA1144-01	$85.00
Zoology	Set of 50	PA1148-01	$190.00
Bacteria	Set of 6	PA1123-01	$32.00
Botany	Set of 25	PA1146-01	$95.00

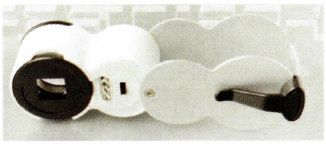
Jewelers Loupe Magnifier 10x + Light

NEW

- 22mm dia
- with LED & UV Light
- with graduation / silver + white

FT9583
$18

45mm



Dimensional Graticule Magnifier

- Inside the viewer is a graduated scale
- Three LEDs and the 26mm eyepiece provide crystal-clear illumination.
- 10x magnification
- All metal construction
- Protective case included

QM3539
$29

Ground glass optics for superior quality

smart magnifier

Measure little creatures!

Maggy Lamp 3X 12X

QM3544
$65

- No more fluorescent tubes to replace on your maggy lamp.
- 64 LEDs provide ample illumination, perfectly even light and the 3x and 12x magnification

"New Low Price"

"The Examiner"

Perfect for specimens, illumination, repairs

Hands Free Magnifier

- **11 cm** dia viewer allows hands free operation
- Excellent optics
- Ideal for plastomounts & semi permanent displays

QM3513
$15

Sturdy handsfree

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Email: sales@educationmatters.com.au
www. educationmatters.com.au

Prices do not include GST. Add 10%